

# Marco Geppi

## List of Publications by Year in descending order

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78  
papers

1,560  
citations

331670

21  
h-index

361022

35  
g-index

80  
all docs

80  
docs citations

80  
times ranked

1905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Sulfur-Curing Conditions on the Dynamics and Crosslinking of Rubber Networks: A Time-Domain NMR Study. <i>Polymers</i> , 2022, 14, 767.	4.5	8
2	Application of low-rank approximation using truncated singular value decomposition for noise reduction in hyperpolarized $^{13}\text{C}$ NMR spectroscopy. <i>NMR in Biomedicine</i> , 2021, 34, e4285.	2.8	10
3	Glassy and Polymer Dynamics of Elastomers by $^1\text{H}$ -Field-Cycling NMR Relaxometry: Effects of Fillers. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4546-4554.	2.6	5
4	Translational and rotational diffusion of three glass forming alcohols by $^1\text{H}$ field cycling NMR relaxometry. <i>Journal of Molecular Liquids</i> , 2021, 330, 115597.	4.9	3
5	Interlayer Coordination of Pd-Pd Units in Exfoliated Black Phosphorus. <i>Journal of the American Chemical Society</i> , 2021, 143, 10088-10098.	13.7	16
6	Structural Refinement of Carbimazole by NMR Crystallography. <i>Molecules</i> , 2021, 26, 4577.	3.8	1
7	The stability of paintings and the molecular structure of the oil paint polymeric network. <i>Scientific Reports</i> , 2021, 11, 14202.	3.3	11
8	Exploring the interplay of mucin with biologically-relevant amorphous magnesium-calcium phosphate nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 802-811.	9.4	4
9	Structure and Dynamics of Perylene Bisimide Pigments for "Cool"-Organic Coatings by Solid-State NMR: A Combined Experimental and DFT Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17971-17980.	3.1	4
10	Antiplasticization and phase behavior in phase-separated modified starch-sucrose blends: A positron lifetime and solid-state NMR study. <i>Carbohydrate Polymers</i> , 2020, 250, 116931.	10.2	15
11	Solid State NMR Study of the Mixing Degree Between Ginkgo Biloba Extract and a Soy-Lecithin-Phosphatidylserine in a Composite Prepared by the Phytosome <sup>®</sup> Method. <i>Chemistry Africa</i> , 2020, 3, 717-725.	2.4	3
12	Anisotropy and NMR spectroscopy. <i>Rendiconti Lincei</i> , 2020, 31, 999-1010.	2.2	9
13	Glassy and Polymer Dynamics of Elastomers by $^1\text{H}$ Field-Cycling NMR Relaxometry: Effects of Cross-Linking. <i>Macromolecules</i> , 2020, 53, 10028-10039.	4.8	8
14	Titanium-Based Tetrakis-2,3-[5,6-di(Substituted)pyrazino]porphyrazine: Synthesis and Characterization. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2417-2423.	2.0	2
15	Effect of sepiolite treatments on the oxidation of sepiolite/natural rubber nanocomposites prepared by latex compounding technique. <i>Applied Clay Science</i> , 2020, 189, 105528.	5.2	10
16	Boosting the NIR reflective properties of perylene organic coatings with thermoplastic hollow microspheres: Optical and structural properties by a multi-technique approach. <i>Solar Energy</i> , 2020, 198, 689-695.	6.1	20
17	Structural order and NIR reflective properties of perylene bisimide pigments: Experimental evidences from a combined multi-technique study. <i>Dyes and Pigments</i> , 2020, 179, 108401.	3.7	16
18	Phosphorene and Black Phosphorus: The $^{31}\text{P}$ NMR View. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5122-5127.	4.6	21

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19	Molecular Dynamics of Amphiphilic Random Copolymers in the Bulk: A $^1\text{H}$ and $^{19}\text{F}$ NMR Relaxometry Study. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900177.	2.2	12
20	Effect of phosphate additives on the hydration process of magnesium silicate cements. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 3311-3321.	3.6	22
21	Hybrid Interface in Sepiolite Rubber Nanocomposites: Role of Self-Assembled Nanostructure in Controlling Dissipative Phenomena. <i>Nanomaterials</i> , 2019, 9, 486.	4.1	14
22	Dynamics of Clay-Intercalated Ibuprofen Studied by Solid State Nuclear Magnetic Resonance. <i>Molecular Pharmaceutics</i> , 2019, 16, 2569-2578.	4.6	10
23	Polymer-Based Black Phosphorus (bP) Hybrid Materials by in Situ Radical Polymerization: An Effective Tool To Exfoliate bP and Stabilize bP Nanoflakes. <i>Chemistry of Materials</i> , 2018, 30, 2036-2048.	6.7	57
24	On the key role of $\text{SiO}_2@\text{POSS}$ hybrid filler in tailoring networking and interfaces in rubber nanocomposites. <i>Polymer Testing</i> , 2018, 65, 429-439.	4.8	18
25	Monitoring the hydration of MgO-based cement and its mixtures with Portland cement by $^1\text{H}$ NMR relaxometry. <i>Microporous and Mesoporous Materials</i> , 2018, 269, 26-30.	4.4	19
26	Dynamics of Dimethylbutanols in Plastic Crystalline Phases by Field Cycling $^1\text{H}$ NMR Relaxometry. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9792-9802.	2.6	3
27	Rubber-Filler Interactions in Polyisoprene Filled with In Situ Generated Silica: A Solid State NMR Study. <i>Polymers</i> , 2018, 10, 822.	4.5	14
28	Dynamics of two glass forming monohydroxy alcohols by field cycling $^1\text{H}$ NMR relaxometry. <i>Journal of Molecular Liquids</i> , 2018, 269, 847-854.	4.9	9
29	Direct observation of the effects of small-amplitude motions on $^{13}\text{C}$ nuclear shielding tensors by means of low-temperature 2D MAS NMR spectroscopy. <i>Chemical Physics Letters</i> , 2018, 706, 107-112.	2.6	6
30	Phase separation in amorphous hydrophobically modified starch-sucrose blends: Glass transition, matrix dynamics and phase behavior. <i>Carbohydrate Polymers</i> , 2018, 199, 1-10.	10.2	29
31	Epoxy resin doped with Coumarin 6: Example of accessible luminescent collectors. <i>European Polymer Journal</i> , 2017, 89, 23-33.	5.4	19
32	Traditional Portland cement and MgO-based cement: a promising combination?. <i>Physics and Chemistry of the Earth</i> , 2017, 99, 158-167.	2.9	18
33	Hydration of MgO/SiO <sub>2</sub> and Portland cement mixtures: A structural investigation of the hydrated phases by means of X-ray diffraction and solid state NMR spectroscopy. <i>Cement and Concrete Research</i> , 2017, 102, 60-67.	11.0	24
34	Hydration of MgO-Based Cement: Water Dynamics by $^1\text{H}$ Fast Field-Cycling NMR Relaxometry. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26851-26859.	3.1	10
35	Phase transitions in hydrophobe/phospholipid mixtures: hints at connections between pheromones and anaesthetic activity. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15375-15383.	2.8	4
36	Solid-state NMR as a powerful tool for the structural and dynamic characterization of insoluble perfluoropolyether-tetrafluoroethylene block copolymers. <i>Journal of Fluorine Chemistry</i> , 2016, 192, 22-26.	1.7	2

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37	Structural characterization of magnesium silicate hydrate: towards the design of eco-sustainable cements. Dalton Transactions, 2016, 45, 3294-3304.	3.3	74
38	Measuring $^{19}\text{F}$ shift anisotropies and $^1\text{H}$ - $^{19}\text{F}$ dipolar interactions with ultrafast MAS NMR. Journal of Magnetic Resonance, 2015, 259, 102-107.	2.1	5
39	Organic protic ionics based on Nitrilo(trimethylenephosphonic acid) as water-free, proton-conducting materials. Journal of Solid State Electrochemistry, 2015, 19, 1643-1650.	2.5	7
40	Thermochromic polyethylene films doped with perylene chromophores: experimental evidence and methods for characterization of their phase behaviour. Polymer Chemistry, 2015, 6, 4003-4012.	3.9	22
41	Structural and Dynamic Properties of Amorphous Solid Dispersions: The Role of Solid-State Nuclear Magnetic Resonance Spectroscopy and Relaxometry. Journal of Pharmaceutical Sciences, 2014, 103, 2635-2662.	3.3	103
42	Understanding the aggregation of bis(benzoxazolyl)stilbene in PLA/PBS blends: a combined spectrofluorimetric, calorimetric and solid state NMR approach. Polymer Chemistry, 2014, 5, 828-835.	3.9	17
43	Freezing of Molecular Motions Probed by Cryogenic Magic Angle Spinning NMR. Journal of Physical Chemistry Letters, 2014, 5, 512-516.	4.6	15
44	Orientational ordering studies of fluorinated thermotropic liquid crystals by NMR spectroscopy. Magnetic Resonance in Chemistry, 2014, 52, 625-639.	1.9	7
45	Solid-Solid Transition between Hydrated Racemic Compound and Anhydrous Conglomerate in Na-Ibuprofen: A Combined X-ray Diffraction, Solid-State NMR, Calorimetric, and Computational Study. Crystal Growth and Design, 2014, 14, 2441-2452.	3.0	27
46	Orientational Order of Two Fluoro- and Isothiocyanate-Substituted Nematogens by Combination of $^{13}\text{C}$ NMR Spectroscopy and DFT Calculations. Journal of Physical Chemistry B, 2014, 118, 3469-3477.	2.6	2
47	Insights into Shape-Memory Poly( $\epsilon$ -caprolactone) Materials by Solid-State NMR. Macromolecules, 2014, 47, 3544-3552.	4.8	10
48	Characterization of an amylose-graft-poly(n-butyl methacrylate) copolymer obtained by click chemistry by EPR and SS-NMR spectroscopies. Carbohydrate Polymers, 2014, 112, 245-254.	10.2	18
49	Strong Intermolecular Ring Current Influence on $^1\text{H}$ Chemical Shifts in Two Crystalline Forms of Naproxen: a Combined Solid-State NMR and DFT Study. Journal of Physical Chemistry C, 2013, 117, 17731-17740.	3.1	35
50	Comb-Shaped Polymers as Nanostructure Modifiers of Calcium Silicate Hydrate: A $^{29}\text{Si}$ Solid-State NMR Investigation. Journal of Physical Chemistry C, 2013, 117, 22947-22953.	3.1	21
51	P3HT/PCBM Photoactive Materials for Solar Cells: Morphology and Dynamics by Means of Solid-State NMR. Journal of Physical Chemistry C, 2013, 117, 131-139.	3.1	17
52	Interrelation between preparation conditions, structure, and mechanical reinforcement in isoprene rubber filled with in situ generated silica. Journal of Applied Polymer Science, 2012, 125, E398.	2.6	9
53	Determination of Order Parameters in Laterally Fluorosubstituted Terphenyls by $^{19}\text{F}$ -NMR, Optical and Dielectric Anisotropies. Molecular Crystals and Liquid Crystals, 2011, 541, 104/[342]-117/[355].	0.9	9
54	$^{13}\text{C}$ Chemical Shielding Tensors: A Combined Solid-State NMR and DFT Study of the Role of Small-Amplitude Motions. Journal of Physical Chemistry C, 2011, 115, 25023-25029.	3.1	19

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55	Dynamics by Solid-State NMR: Detailed Study of Ibuprofen Na Salt and Comparison with Ibuprofen. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8783-8790.	2.5	30
56	Structure, dynamics and interactions of complex sol-gel hybrid materials through SSNMR and DSC: Part I, binary systems based on PE-PEG block copolymer, PHS and silica. <i>Polymer</i> , 2011, 52, 4536-4544.	3.8	8
57	Structure, dynamics and interactions of complex sol-gel hybrid materials through SSNMR and DSC: Part II, ternary systems based on PE-PEG block copolymer, PHS and silica. <i>Polymer</i> , 2011, 52, 4545-4552.	3.8	5
58	Detailed Characterization of the Dynamics of Ibuprofen in the Solid State by a Multi-Technique NMR Approach. <i>ChemPhysChem</i> , 2011, 12, 974-981.	2.1	26
59	Orientalional order of liquid crystals by <sup>11</sup> B NMR spectroscopy. <i>Chemical Physics Letters</i> , 2011, 508, 63-66.	2.6	5
60	Orientalional order in liquid crystals by combining $H^2$ and $C^{13}$	2.1	11
61	Dielectric properties of selected laterally fluoro-substituted 4,4'-dialkyl, dialkoxy and alkyl-alkoxy [1,1'-di(4-terphenyls). <i>Liquid Crystals</i> , 2010, 37, 1321-1330.	2.2	19
62	Understanding the Properties of the Coagel and Gel Phases: A <sup>2</sup> H and <sup>13</sup> C NMR Study of Amphiphilic Ascorbic Acid Derivatives. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15872-15878.	2.6	17
63	Orientalional Order of Fluorinated Mesogens Containing the 1,3,2-Dioxaborinane Ring: A Multidisciplinary Approach. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15783-15794.	2.6	20
64	Applications of Solid-State NMR to the Study of Organic/Inorganic Multicomponent Materials. <i>Applied Spectroscopy Reviews</i> , 2008, 44, 1-89.	6.7	78
65	Solid-State NMR Studies of Pharmaceutical Systems. <i>Applied Spectroscopy Reviews</i> , 2008, 43, 202-302.	6.7	152
66	Orientalional Order of Difluorinated Liquid Crystals: A Comparative <sup>13</sup> C-NMR, Optical, and Dielectric Study in Nematic and Smectic B Phases. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9663-9676.	2.6	27
67	Dielectric properties of three-ring fluorinated compounds. <i>Liquid Crystals</i> , 2008, 35, 527-531.	2.2	6
68	Dielectric and X-ray Studies of Substances with the Smectic B phase. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 477, 87-100.	0.9	13
69	Orientalional Order Properties in Fluorinated Liquid Crystals from an Optical, Dielectric, and <sup>13</sup> C NMR Combined Approach. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5286-5299.	3.1	24
70	Solid State NMR Investigation of the Molecular Dynamics of Cocoon Silks Produced by Different <i>Bombyx mori</i> (Lepidoptera) Strains. <i>Biomacromolecules</i> , 2006, 7, 1266-1273.	5.4	11
71	Improving compatibility in LDPE-silica dispersions by photo-grafting reaction. Preparation and solid state NMR investigation. <i>Journal of Materials Chemistry</i> , 2006, 16, 4581-4591.	6.7	26
72	Molecular Properties of Ibuprofen and Its Solid Dispersions with Eudragit RL100 Studied by Solid-State Nuclear Magnetic Resonance. <i>Pharmaceutical Research</i> , 2005, 22, 1544-1555.	3.5	76

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73	Dynamics of an Amorphous Polymer by an Improved NMR Approach Based on the Simultaneous Analysis of $^1\text{H}$ and $^{13}\text{C}$ Relaxation Times. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10832-10837.	2.6	23
74	The SPORT-NMR Software: A Tool for Determining Relaxation Times in Unresolved NMR Spectra. <i>Journal of Magnetic Resonance</i> , 1999, 137, 177-185.	2.1	40
75	A method for analysing proton NMR relaxation data from motionally heterogeneous polymer systems. <i>Solid State Nuclear Magnetic Resonance</i> , 1998, 12, 15-20.	2.3	29
76	$^2\text{H}$ NMR Study of Orientational Order and Spin Relaxation in the Mesogen <i>p</i> -Hexyloxybenzylidene- $\text{C}_6\text{H}_4$ -Fluoroaniline. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 303, 415-429.	0.3	9
77	Dynamics and morphology of polyolefinic elastomers by means of $^{13}\text{C}$ and $^1\text{H}$ solid-state n.m.r.. <i>Polymer</i> , 1997, 38, 5713-5723.	3.8	21
78	Study of the Orientational Order and Dynamics in the Nematic and Smectic Phases of <i>p</i> - $\text{C}_6\text{H}_4$ -Hexyloxybenzylidene- <i>p</i> -Fluoroaniline by Means of $^2\text{H}$ -NMR. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 266, 213-227.	0.3	7